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1	4,081,748	03/1978	Batz			
	4,099,121	07/1978	Fang			
	4,128,809	12/1978	Kage			
	4,426,712	01/1984	Gorski-Popiel			
	4,530,087	07/1985	Yamamoto			
	4,590,734	07/1986	Yamamoto			
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	4,675,863	06/1987	Paneth et al.			
	4,679,147	07/1987	Tsujii et al.			
	4,727,590	02/1988	Kawano et al.			
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	4,799,252	01/1989	Eizenhoffer et al.			
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	5,043,736	08/1991	Darnell et a			
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	5,058,200	10/1991	Huang et al.			
	5,068,916	11/1991	Harrison et al.			
	5,081,641	01/1992	Kotzin et al.			
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	5,097,484	03/1992	Akaiwa			
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\ \ \		5,101,501	03/1992	Gilhousen et al.	GENINO	3000000	AFFIGHIE
$\overline{}$		5,103,459	04/1992	Gilhousen et al.			
}	$\leftarrow$	5,109,390	04/1992	Gilhousen et al.			
	$\overline{}$	5,124,915	06/1992	Krenzel			
-	<del></del> `	5,128,925	07/1992	Dornstetter et al. <sup>13</sup>	-		
		5,155,689	10/1992	Wortham			
_		5, 64,942	11/1992	Kamerman et al.			
		5,166,961	11/1992	Schilling			
		5,177,765	1/5/1993	Holland et al.			
		5,193,101	09/1993	McDonald et al.			
		5,203,018	04/1993	Hirose			
		5,208,756	05/1093	Song			
		5,214,789	05/1993	George			
		5,218,367	06/1993	Sheffer et al.			
-		5,218,618	06/1993	Sagey			
		5,223,844	06/1993	Marsell et al.			
		5,227,802	07/1993	Pullmen	-		
		5,235,633	08/1993	Nass et al.	-		
		5,247,356	09/1993	Ciampa			
		5,260,943	11/1993	Comroe et al.	$\vdash$		
			11/1993	Schilling			
		5,260,967		Gilhousen et al.			
		5,280,472	01/1994				
		5,283,767	02/1994	McCoy			
		5,289,499	02/1994	Weerackody	ļ	`	
		5,289,527	02/1994	Tiedemann, Jr.			
		5,293,645	03/1994	Sood et al.1			
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
$\overline{}$	5,297,162	03/1994	Lee et al.			
	5,305,353	04/1994	Weerackody			
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	5,323,384	06/1994	Norwood			
	5,329,530	07/1994	Kojima			
	5,345,467	09/1994	Lomp et al.			
	5,947,535	09/1994	Karasawa et al.			
	5,365,316	11/1994	Jandrell <sup>11</sup>			
	5,367,539	11/1994	Copley			
	5,371,734	12/1994	Fischer			
	5,371,780	12/1994	Amitay			
	5,373,502	12/1994	Turban			
	5,390,166	02/1995	Rohani et al.			
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	5,430,769	07/1995	Patsiokas et al.			
	5,442,625	08/1995	Oitlin et al.			
	5,479,448	12/1995	Seshadri			
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	5,483,244	01/1996	Grube et al.			
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	5,533,013	07/1996	Leppanen			
	5,553,076	9/3/1996	Behtash et al.			
	5,584,057	12/1996	Dent			
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INITIAL	5.594,737	01/1997	NAME Pillekamp et al. <sup>7</sup>	CLASS	SUBCLASS	APPRO	PRIATE
	<u> </u>		· · · · · · · · · · · · · · · · · · ·	-			
_	5,614,914	03/1997	Bolgiano et al.	<u> </u>			
	5,625,876	04/1997	Gilhousen et al.				
	3,663,990	09/1997	Bolgiano et al.				
	5,684,793	11/1997	Kiema et al.				
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	5,881,094	03/1999	Schilling				
	5,912,644	06/1999	Wang				
	6,175,308	01/2001	Tallman et al.				
	6,747,969	06/2007	Hirsch				<u> </u>
	F	OREIGN PATE	ENT DOCUMENTS				
EXAMINER INITIAL						TRANS	SLATION
INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	0459823	04/1991	EP				
	0528090	02/1993	EP				
	2237706	05/1991	GB				
	2259430	03/1993	GB				
	05-276210	10/1993	JP			X**	
	06-244814	09/1994	· ·			X**	
	1-233930	09/1989	JP			X**	
	63-237636	10/1998	JP			X**	
	H01-314443	12/1989	JP			X	_
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XAMINER						TRAN	SLATION
INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	H02-3007	01/1990	JP			Х	
1	H02-302133	06/1992	JP			Х	
	H03-177669	08/1991	JP			Х	
	H03-235077	10/1991	JP				
	H05-244051	09/1993	JP			X**	
	N06-097914	04/1994	JP			X**	
	S53-109328	08/1978	JP			Х	
	S63-065728	09/1989	JP			Х	
	\$63-274236	11/1988	JP			X**	
	S63-286027	11/1988	JP			Х	
	\$63-286072	1111988	JP			X**	
	H05-211470	08/1993	JP <sup>2</sup>			X**	
	H04-502844	08/1993	JP3			Х	
	H06-501349	01/1992	JP <sup>5</sup>			Х	
	H03-094851	09/1991	\\P				Х
	05-102943	04/1993	JP			X**	
	05-227124	09/1993	JP			X**	
	199107036	05/1991	WO <sup>4</sup>				
	199200639	01/1992	MO <sub>6</sub>				
	199210890	06/1992	wo				
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## X\*\* Abstract only

† English abstract not available. A copy of the document in Japanese has been provided, in addition to the search report in which is was cited.

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